



09/360103

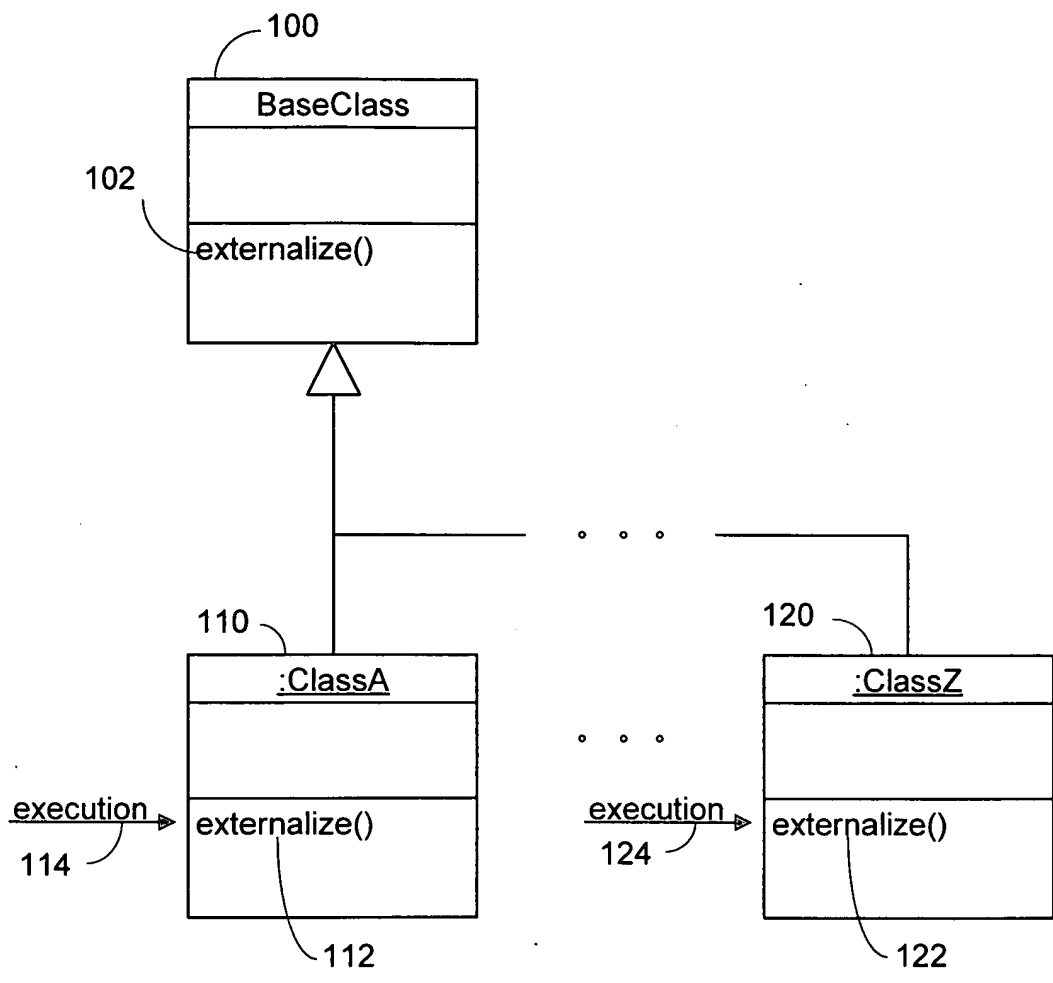


FIG. 1
(PRIOR ART)



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200

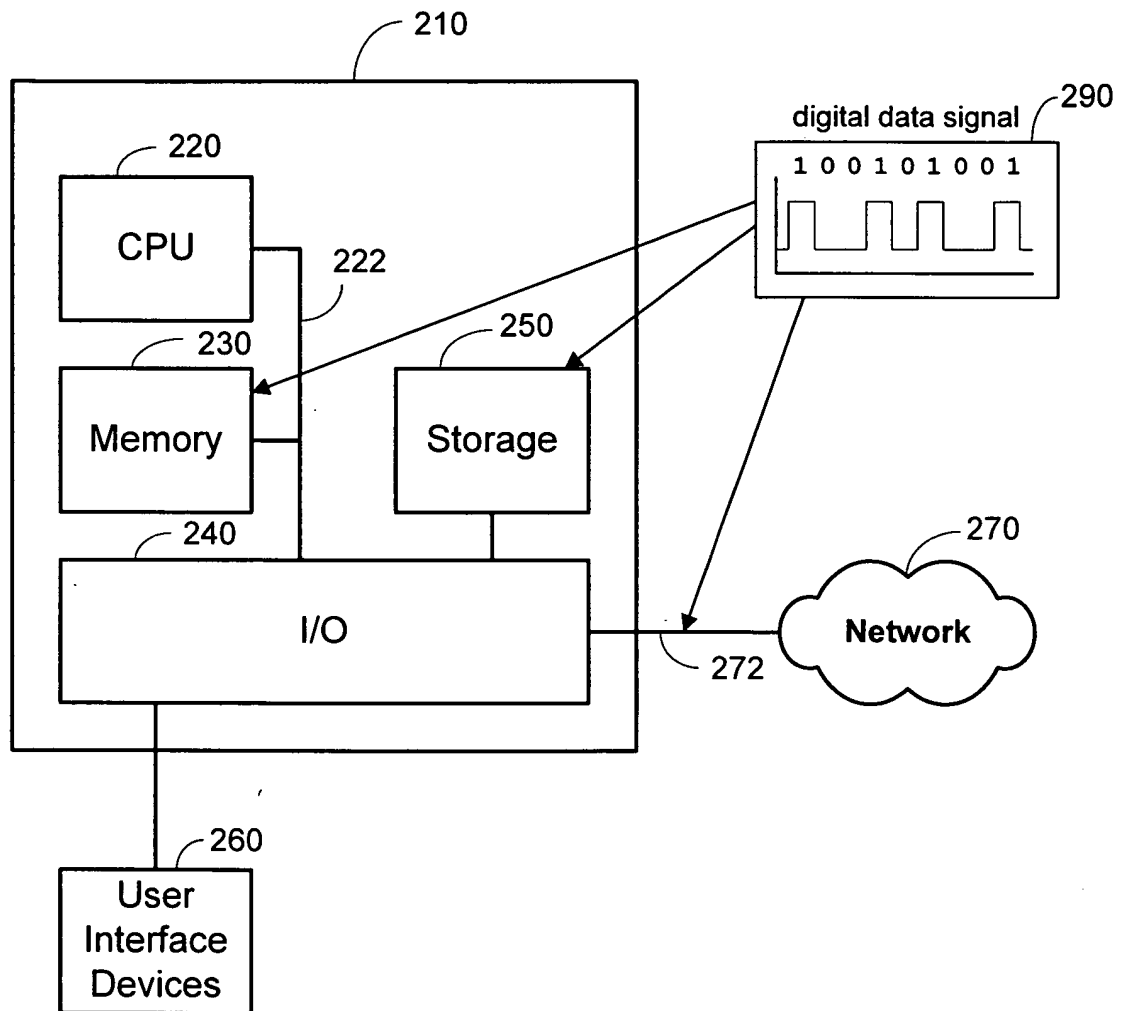


FIG. 2

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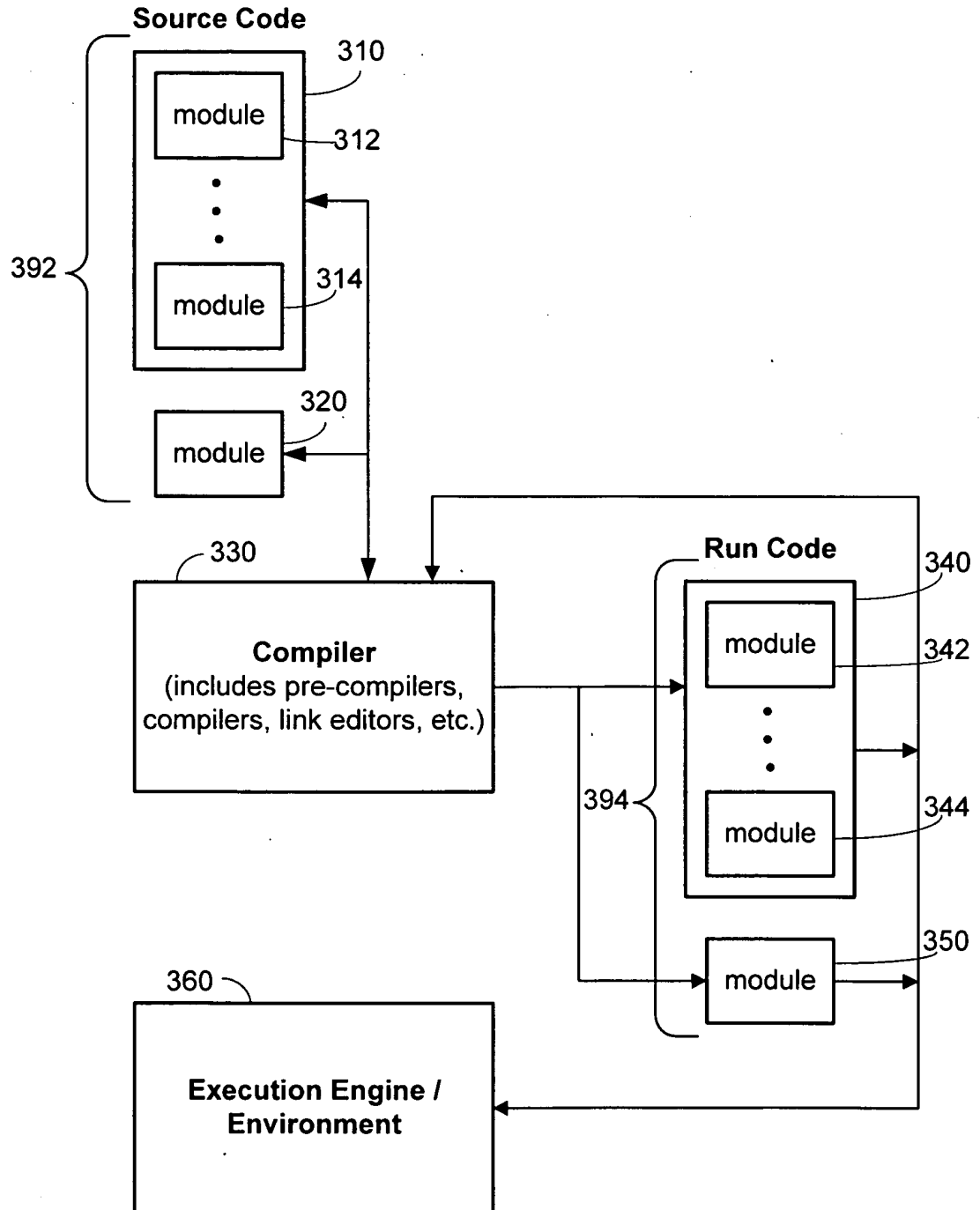


FIG. 3



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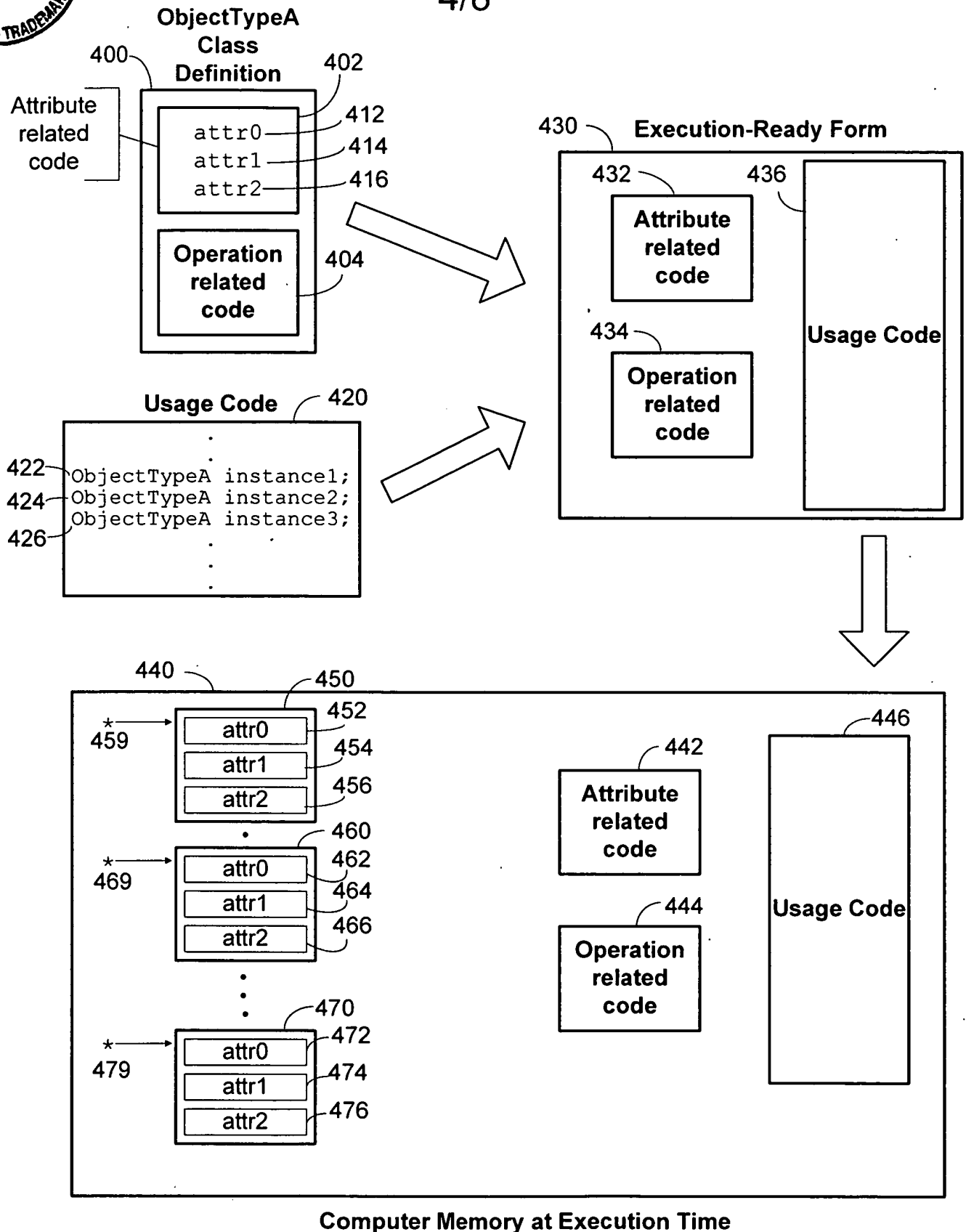


FIG. 4



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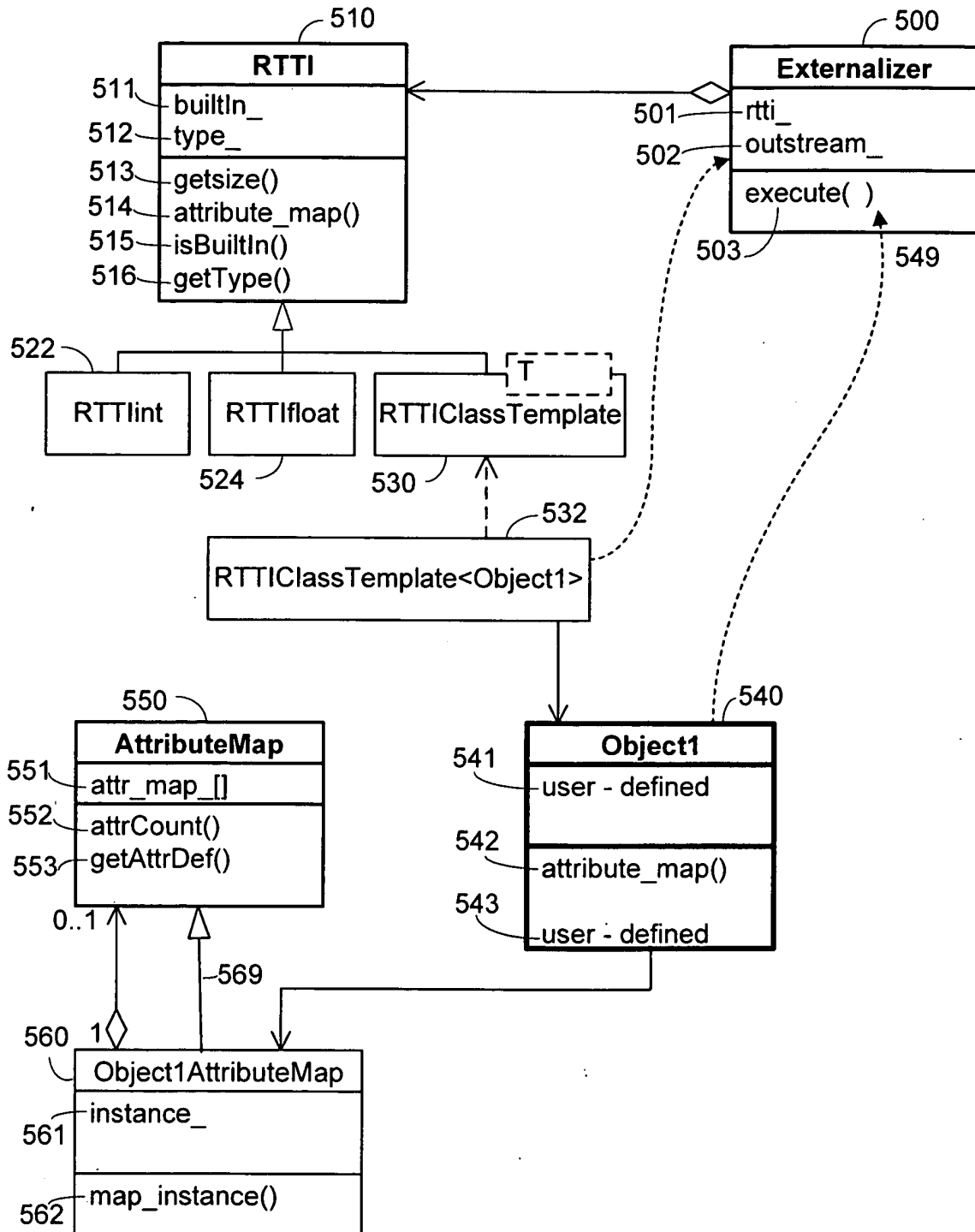


FIG. 5

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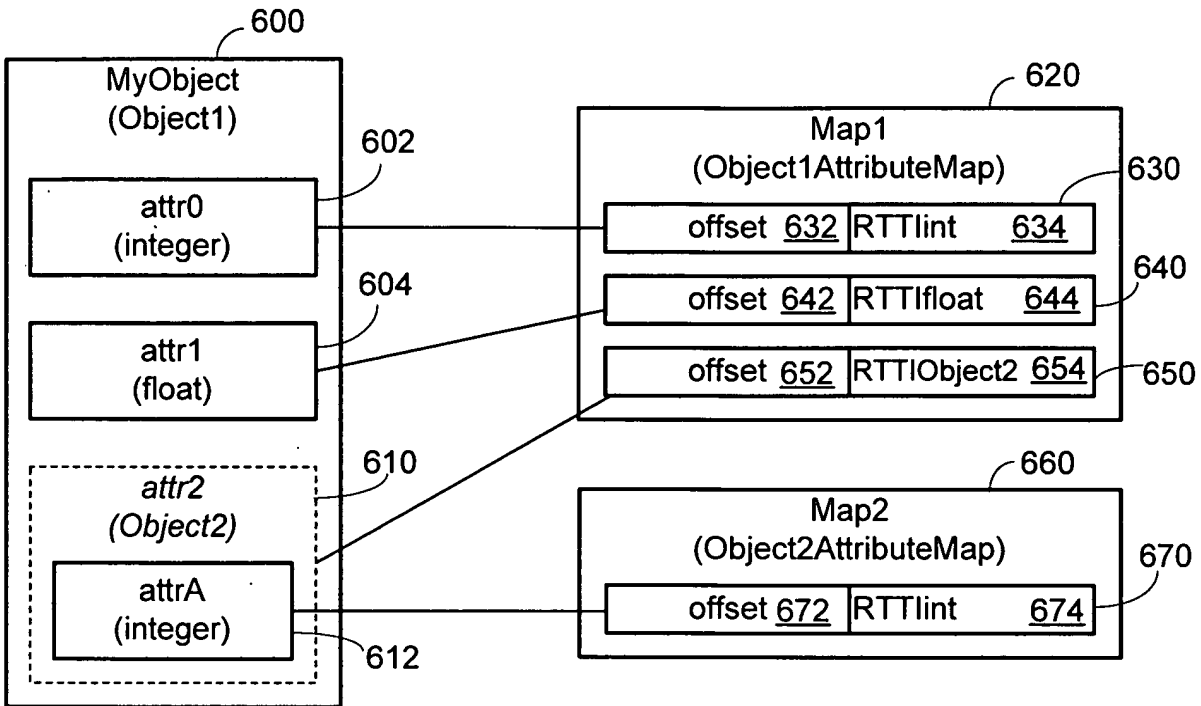


FIG. 6



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```
void
Externalizer::execute ( void* ptr )
{
    int members = 0;

    710 {
        if (rtti_ -> isBuiltIn()) {
            byte_sequence((char*)ptr, rtti_ -> getSize());
            ostream_ << endl;
            return;
        }

    720 {
    730 for (int i = 0; i < rtti_ -> attribute_map() -> size(); i++) {
        AttrDef def = rtti_ -> attribute_map() -> getAttrDef (i);
        const RTTI* r = def.get_rtti ();
        void* p = (char*)ptr + def.get_offset();

    740 {
            if (r -> isBuiltIn()) {
                byte_sequence((char*)p, r -> getSize());
                ostream_ << endl;
            } else {
    750 {
                Externalizer ex (r, ostream_);
                ex.execute(p);
                return;
            }
        }
    }

    }

    void
    760 {
        Externalizer::byte_sequence(char* ptr, int size)
        {
            for (int j = 0; j < size; j++) {
                ostream_ << (unsigned int)(unsigned char)*ptr++ << " ";
            }
        }
    }
}
```

FIG. 7



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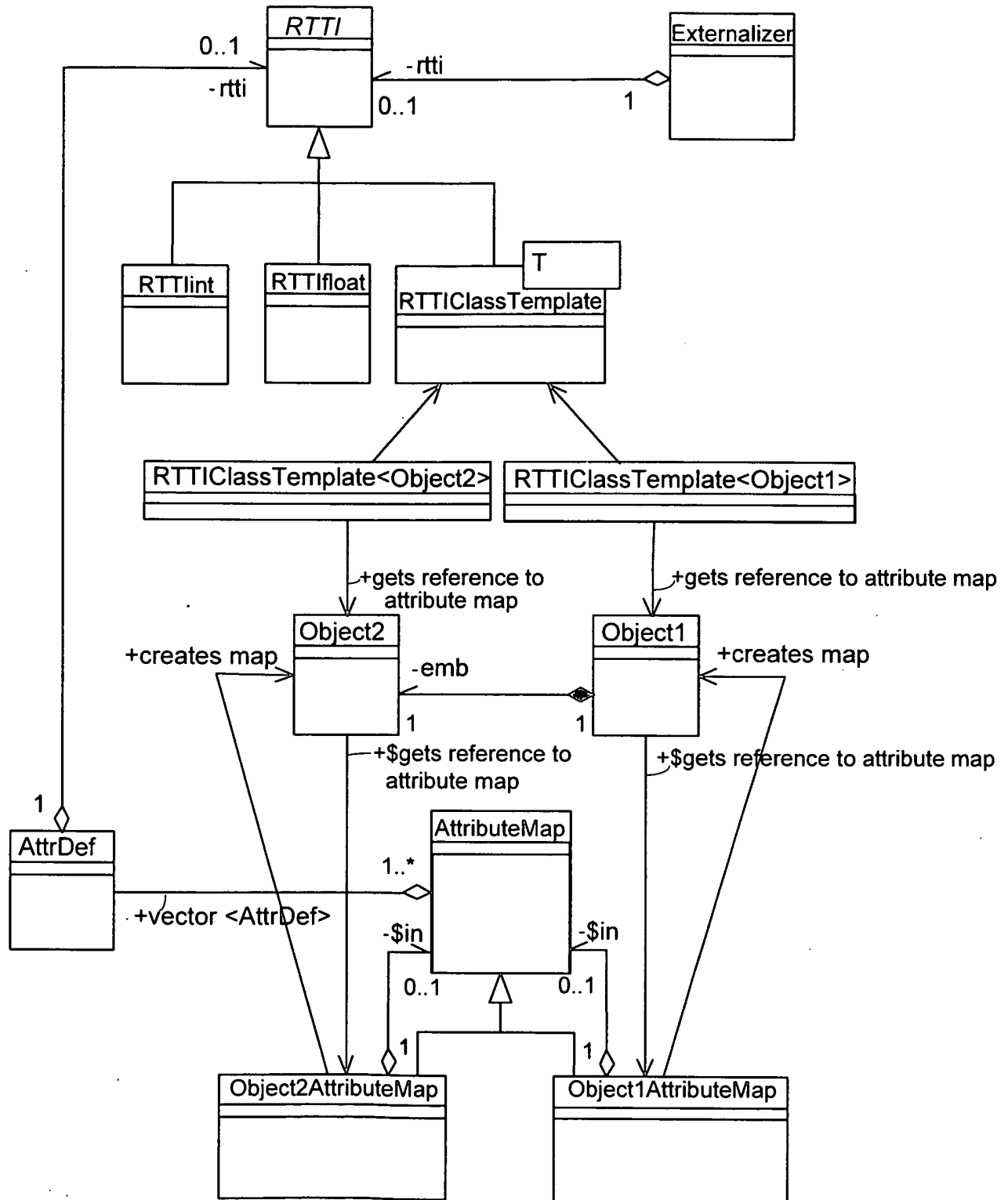


FIG. 8